

## **THE AMENDMENT**

### **In the Claims**

1. (Currently Amended) A method of ~~functionalizing~~ producing a dendrimeric structure on a support surface, comprising the steps of:
  - (a) activating a functional group on a support surface with an activating reagent, ~~and~~
  - (b) subsequently reacting the activated functional group with a polyamine component, and
  - (c) ~~to produce~~ producing a dendrimeric structure on the support surface,wherein the activating reagent is acryloylchloride, 4-nitrophenylchloroformate, carbonyl diimidazole, phenyl chloroformate, phosgene, disphosgene, triphosgene, EDC(~~N-(3-dimethylaminopropyl)-N'-ethyl carbodiimide hydrochloride~~), N,N'-diisopropyl carbodiimide, dicyclohexyl carbodiimide, disuccinimidyl carbonate, disuccinimidyl oxalate, dimethylsuberimide dihydrochloride, or phenylene diisothiocyanate.
2. (Currently Amended) The method according to claim 1, wherein the support is selected from the group consisting of glass, sheets, and films or membranes made from polypropylene, nylon, cellulose, cellulose derivatives, polyether sulfones, polyamides, polyvinyl chloride, polyvinylidene fluoride, polyester, polyethylene and ~~Teflon~~ synthetic resinous flouorine-containing polymers.
3. (Previously Presented) The method according to claim 1, wherein the functional group is an amine, hydroxyl, phosphate, carboxyl, carbonyl, thiol or amide group.
- 4-7. (Cancelled)
8. (Previously Presented) The method according to claim 1, wherein the polyamine is tetraethylene pentamine, spermine, spermidine, 4,7,10-trioxa-1,13-tridecanediamine, or 4-aminomethyl-1,8-octanediamine.

9. (Previously Presented) The method according to claim 1, wherein the steps of reacting the activating reagent with the polyamine component are carried out several times.
10. (Cancelled).
11. (Previously Presented) The method according to claim 1, wherein a positive charge is built up in a controlled fashion on the support surface.
12. (Currently Amended) The method according to claim 2, wherein the ~~functionalized~~ support surface of the dendrimeric structure according to claim 2 is additionally activated prior to the attachment of biopolymers.
13. (Currently Amended) The method according to claim 12, wherein the ~~functionalized~~ support surface of the dendrimeric structure is additionally activated by an activating agent selected from the group consisting of disuccinimidyl carbonate, disuccinimidyl oxalate, glutaraldehyde, dimethylsuberimide dihydrochloride, and phenylene diisothiocyanate.
- 14-19. (Cancelled)
20. (Original) The method according to claim 1, wherein said support is a biochip.
21. (Currently Amended) The method according to claim 2, wherein said support is cellulose derivatives ~~are~~ of cellulose acetate or cellulose-mixed ester.